

## Stage 2 Disinfectant Byproduct Rule Site Selection Guidance

1. If available, the following resources may be useful for selecting sample sites:
  - Distribution system map, diagram, or schematic
  - Water quality data, including source water data, DBP1 data, disinfectant residuals, and HPC data
  - Distribution system operating data, including water flow, tank level and tank configuration data and locations where your system is booster chlorinating
2. Using maps, water quality and system operation data for your water system, select sites where high TTHM and HAA5 are likely to occur.

Potentially High <b>TTHM</b> Locations	Potentially High <b>HAA5</b> Locations
<ul style="list-style-type: none"> <li>• Downstream of tank</li> <li>• Dead end, but prior to last customer and prior to last hydrant</li> <li>• Hydraulic dead ends and mix zones</li> <li>• Downstream of booster chlorination</li> <li>• Difficulty maintaining residuals</li> <li>• Low water use</li> <li>• High historical levels (not DBP1 locations)</li> </ul>	<ul style="list-style-type: none"> <li>• Downstream of tank</li> <li>• Dead-end, but prior to last customer and prior to last hydrant</li> <li>• Hydraulic dead ends and mix zones</li> <li>• Downstream of booster chlorination</li> <li>• Low, but detected residual</li> <li>• Low water use</li> <li>• High historic levels (not DBP1 locations)</li> </ul>
<p><b>NOTE:</b> Do <u>NOT</u> select high TTHM sites at a dead-end where there are no customers, prior to booster chlorination, or after the last hydrant or flushing point.</p>	<p><b>NOTE:</b> Unlike TTHM, HAA5 can biodegrade. If you believe biodegradation is occurring, select sites between average and maximum water age where biodegradation is not expected to be complete and where disinfectant residual is less than average, but well over the minimum (0.2 mg/L free or 0.5 mg/L total).</p>

Sample sites should be geographically representative of the entire distribution system.

3. List selected sites in the table on the front of this form as listed below

Site ID	Address	Sample Type	Justification
<i>DBP2-01</i>	<i>2007 Stevens St.</i>	<i>TTHM</i>	<i>Downstream of tank</i>
<i>DBP2-02</i>	<i>11326 LaCaille Way</i>	<i>HAA5</i>	<i>Dead-end</i>

4. Attach a distribution system map/diagram/schematic clearly noting the following:
  - Entry points
  - Storage tanks
  - DBP2 sample sites
  - DBP1 sample sites
  - Disinfection booster stations
  - Take points, if there are any purchased water sources
5. Sign and certify: You must certify the information provided is true and accurate
6. Mail the completed and signed form to the TCEQ. Keep a copy for your records.